

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Renee Nielson L1-01

KW 5/21/07
INITIAL/DATE

COMMENTS:

SDG 07-A-2579

SAF-RC-040

Rad only

☒ Chem only

Rad & Chem

☒ Complete

Partial

Sample Location/Waste Site: 3718M Building

RECEIVED
MAY 29 2007
EDMC



5/15/07
Page 1 of 2

SUBMITTED TO:


Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.:	J152F0 through J152F3
P.O. No.:	Not Available
Sample Location:	3718M Building
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-2579
DCL Sample ID No.:	07-14887 through 07-14890
Sample Receipt Date:	5/11/07
Analysis Date:	5/15/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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RC-040

5/15/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: 3718M Building
Set ID: 07-A-2579

Client Sample ID:	J152F0	J152F1	J152F2	J152F3
DCL Sample ID:	07-14887	07-14888	07-14889	07-14890
Macroscopic Examination				
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Fibrous
Description:	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM
Asbestiform Minerals				
% Chrysotile:			>1 ≤ 3	>50 ≤ 60
% Amosite:				
% Crocidolite:				
% Tremolite - Actinolite:				
% Anthophyllite:				
% Total Asbestos:	ND	ND	>1 ≤ 3	>50 ≤ 60
Other Materials				
% Cellulose:				
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	
% Other Fibers:	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	
% Resin/Binder:				
% Non Fibrous:	>40 ≤ 50	>40 ≤ 50	>40 ≤ 50	>30 ≤ 40

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-276		Page 1 of 2	
Collector Mike Stankovich/Tim Lee		Company Contact Tim Lee		Telephone No. 373-4596		Project Coordinator KESSNER, JH		Price Code 9K	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 3718M Building		SAF No. RC-040		Data Turnaround 7 Days			
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-7		COA Sec below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A070296				Bill of Lading/Air Bill No. See OSPC			
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage		Preservation		None					
		Type of Container		GP					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS 07A-2579				Asbestos- BULK-EPA					
Sample No 07-		Matrix *		Sample Date		Sample Time			
J152F0 14887		OTHER SOLID		5-10-07		0800		X	
J152F1 14888		OTHER SOLID		↓		0810		X	
J152F2 14889		OTHER SOLID				0815		X	
J152F3 14890		OTHER SOLID				0805		X	
J152F4 14891		OTHER SOLID							
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 Sampling COA - R3708M 1000 Sampler unavailable to relinquish samples from 3728 Ref # 3B . 3728 Custodian removed samples for shipping on 5/10/07 .	
M. Stankovich		5/10/07		3728/3B		5/10/07 1015			
3728/3B		5-10-07 1030		Tim Stankovich		5-10-07 1030			
Tim Stankovich		5-10-07 1030		FED EX					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			